0072849

Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
January 18, 2007

Approval: _____ Date: 4/19/07
J. Hedges (H0-57)
Ecology IAMIT Representative

Approval: _____ Date: 3/15/07
M.S. McCormick (A5-11)
DOE IAMIT Representative, Chairperson

Approval: _____ Date: 3/15/07
N. Ceto (B1-46)
EPA IAMIT Representative

Minutes Prepared by:

Sonya Moore Date: 4-19-07
S.L. Moore (H8-40)
Fluor Hanford, Inc.

Ayres, J.M.	Ecology	H0-57
Bartus, D.	EPA	B1-46
Bilson, H.E.*	FH	H8-20
Bohnee, G.	NPT	
Bond, R.*	Ecology	H0-57
Boyd, A.	EPA	B1-46
Cameron, C.E.*	EPA	B1-46
Ceto, N.*	EPA	B1-46
Chalk, S.E.	RL	A7-75
Charboneau, B.L.*	RL	A6-33
Charboneau, S.L.*	RL	A5-11
Cimon, S.*	ODE	
Cole, M.E.*	CH2M Hill	H6-03
Cusack, L.*	Ecology	H0-57
Dagan, E.B.*	RL	A5-11
Donnelly, J.W.*	WCH	H4-22
Einan, D.R.	EPA	B1-46
Engelmann, R.H.*	FH	H8-12
Faulkner, D.E.	RL	A5-11
French, M.S.	RL	A6-38
Frey, J.A.*	RL	A5-13
Gallagher, R.G.	FH	H5-20
Goswami, D.	Ecology	H0-57
Harris, S.	CTUIR	
Hedges, J.*	Ecology	H0-57
Henry, D.	OCE	
Hopkins, A.M.*	FH	H8-25
Horst, L.	OCE	
Jackson, D.E.	RL	A4-52
Jim, R.	Yakama	
Jones, M.*	Ecology	H0-57
Lobos, R.	EPA	B1-46
Lutz, K	HQ	A7-75
Mandis, M.L.*	Ecology	H0-57
Mattlin, E.M.*	RL	A5-11
McCormick, M.S.*	RL	A5-11
McKarns, A.C.	RL	A5-15
Miskho, A.G.*	FH	H8-40
Moy, S.K.*	RL	A6-38
Niles, K.	OOE	
Piippo, R.E.*	FH	H8-12
Post, T.C.	EPA	B1-46
Price, J.*	Ecology	H0-57
Romine, L.D.*	RL	A6-33
Russell, R.W.	ORP	H6-60
Skinnarland, E.R.	Ecology	H0-57
Singelton, D.G.*	Ecology	H0-57
Sinton, G.L.*	RL	A6-38
Tilden, H.T.*	PNL	K3-75
Vance, J.G.	FH	H8-12
Watson, D.J.*	FH	X3-79
Whalen, C.L.*	Ecology	H0-57
Williams, J.D.	FH	H8-40
Wise, B.K.	FH	B3-30
Wolf, A.	CTUIR	
Wooley, T.A.	CH2M Hill	H6-03
Administrative Record		H6-08

*Attendees

Central Plateau
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M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities.

Ecology asked when the anticipated public review of the subgrade EE/CA was scheduled. RL responded the EE/CA would go out for public comment in the spring.

M-026-01, Submit an Annual Hanford Land Disposal Restrictions Summary Report.

No additional discussion other than review of the handout provided.

M-091-00, Complete the Acquisition of New Facilities, Modification of Existing Facilities, and Modifications of Planned Facilities.

EPA inquired into the status of acquiring the capabilities necessary to prepare TRU and TRUM waste generated by CERCLA clean up actions for disposal at WIPP. EPA indicated that during earlier milestone discussions EPA was assured that this capability would be provided. EPA thought that this discussion would be in the M-091-03 Project Management Plan (PMP) revision.

RL stated that capabilities for addressing CERCLA transuranic waste were the subject of the M-016-93 workplan submitted in September 2006, not the M-091 PMP submitted in December 2006. EPA stated that RL needs to look at the overall volumes of incoming TRUM to ensure the appropriate capabilities are planned.

Ecology noted that the M-016-93 work plan addresses M-016 Records of Decision (RODs) and 618-10 618-11 burial grounds. As new information becomes available, project schedules will be established or updated for the acquisition of necessary capabilities. It was also noted that Ecology's preliminary review indicated the PMP appeared to address only waste streams identified in current RODs. The regulators agreed that the work plan should include volumes for all CERCLA TRUM including projections where RODs are not yet available..

RL stated they would provide EPA with another copy of the M-016-93 work plan but noted that at this time the project has uncertainty on the exact volume of TRUM coming from CERCLA remediation activities. RL has taken this uncertainty into account and recognizes that a broad range of remedies are possible. RL also noted that the potential use of M-091 capabilities for CERLA waste is addressed in the M-016-93 workplan. EPA noted that they have not been part of this planning activity and asked RL to share this information.

Action: RL will provide EPA with a copy of the M-016-93 work plan. (NOTE: A copy of the M-016-93 workplan was provided to EPA on 1-18-07.)

Ecology asked if all of Trench 4 had been retrieved and RL answered that the trench is completely retrieved.

Ecology requested that the TRUM statement of dispute portion description (of the handout at this meeting) be revised to clarify that a portion of what remains in dispute pertains to TRUM.
Action: RL will revise the TRUM statement of dispute portion description of presentations to clarify that a portion of what remains in dispute pertains to TRUM.

Ecology asked if any actions have been taken to improve the efficiency of the treatment/certification of TRU and TRUM waste. RL stated that no physical actions have been taken but that overtime and extra shifts may have been applied to the certification work.
Action: RL will provide Ecology with information on the status of overtime or extra shifts being applied to the certification work.

Ecology noted that they had pointed out in the dispute that efficiencies can be gained to increase certification and that these efficiencies can help to ensure the milestone due dates are met. Ecology also requested copies of any letter of direction from RL to the contractors to improve performance and what the contractors' actions will be.
Action: RL will provide to Ecology letters of direction to the contractors and the options for improving performance.
Action: RL will meet with Ecology staff and discuss a path forward to implement these options.

Ecology asked if weather was impacting shipment of waste and RL stated yes as trucks are restricted on the routes when adverse winter road conditions exist along the shipment route. A 500 m^3 backlog is ready to go to WIPP, but because they considered Hanford waste as surge volume it goes to the bottom of their schedule when inclement weather hits.

M-092-05, Inclusion of Hanford site Cs/Sr "Treatment and/or Repackaging Parameters" in DOE TWRS Phase II Request for Proposals.

The agencies discussed the cesium capsule assessment model draft preliminary results. The draft results indicated that the five regulated metals (chromium, barium, cadmium, silver, and lead) are below drinking water standards at the site boundary.
Action: RL will remove reference made to five RCRA metals drinking water standards in the presentation.

EPA brought up a concern about the disposition of B Plant and WESF by the 2028 time frame. RL stated the plan is to remove the capsules well ahead of the date for disposition of the facility and that WESF has been decoupled from B Plant utilities.

The capsules would be transferred to dry storage and then repackaged at a new hot cell facility before shipment to Yucca Mountain. RL is planning to meet with Ecology and outline the cesium capsules path forward in order to meet the June 30, 2007 due date.

Ecology asked if the storage of cesium capsules has been discussed with Yucca Mountain and RL answered in the affirmative.

M-015-00, Complete RI/FS (or RFI/CMS) Process for all Operable Units.

RL stated that the revised 200-SW-2 RI/FS work plan collaborative DQO process is having several issues, some of which may need to be elevated to management for resolution. If they can not be resolved they will need to go to dispute or have the collaborative DQO process extended. Ecology stated they do not believe RL needs any more time; it is very important to meet the interim milestone in order to meet the major milestone.

Ecology noted that they had struck a phrase from the draft presentation, but the phrase was still in the final presentation. Ecology asked that the phrase "…due to large number of regulatory participants…" be deleted from the presentation (page 9, GW-40). Ecology has provided backup staff to support the DQO process.
Action: FH project representative will revise the presentation to remove the phrase noted above.

RL stated that a meeting is planned for next week with management and the leads to review the issues and determine what actions need to be taken.

EPA stated that five wells are needed for 200-BP-5 and only three are currently planned. RL will review the baseline as it has three vs. five for 200-BP-5 and a commitment was made to revisit the wells as a topic for the Unit Manager Meeting. EPA requested an update on 200-BP-5 and RL noted they have an action from the Project Manager Meeting to review the DQO.

The Battelle contract for the 200-ZP-1 critical analysis took longer than anticipated to get established, but the project is expected to recover the schedule. There is concern with offsite release limits and offsite regeneration of granulated activated carbon and resins.
Ecology asked if the pump and treat project was integrated with Tank Farms; RL stated yes, and that a treatability test is needed to provide data. The elevation between the pumping wells and the ETF will require a transfer station; initial estimates for this are $800K but this is being evaluated to be reduced.

RL discussed the need for the agencies to have an agreement of key decisions and parameters to facilitate timely decisions on source operable unit RODs. The regulators stated they are working on the policy issues decisions, and RL suggested that they meet with the regulators to discuss these and compare notes.

Ecology stated they have a risk assessment coordination concern, noting that a risk assessment charter had been signed by RL, but its implementation stopped about the time of the BHI transition to WCH.
Action: RL will follow up on the risk assessment coordination.

M-024-00, Complete Well Installations in Accordance with RCRA/CERCLA Requirements.

Ecology requested and RL agreed to initiate discussions for reaffirming/selecting wells (M-024-57K).

M-034-00A, Complete Removal of the K Basins and Their Content.

EPA asked how many hours have been expended to transfer sludge from K East to K West for the hose-in-hose activities, and what the cost schedule performance is.
Action: RL will provide EPA with the information on the hose-in-hose work.

EPA noted that they provided RL an option out of the dispute process (develop a K Area integrated schedule), but RL has rejected it saying that the 2012 date will be met. EPA is requesting a TPA interim milestone for RL to develop an integrated schedule and will consider approving the milestones now in dispute.

EPA stated that M-034-30 should be listed as unrecoverable instead of at risk as they do not feel the milestone can be met. EPA also stated that they believed the reason the milestone would not be met was due to poor project management and execution.

EPA inquired about the cost total that was used to do the planning to treat sludge in the 300 Area. RL responded that it was a study and the effort did not change the baseline. RL noted there are technical issues in the design of the CVD equipment for seismic issues that were brought out by HQ. Several nuclear safety issues are impacting the sludge treatment effort. The project will delay equipment procurement as there is too much risk involved without a safety analysis and design approval.
Action: RL will provide EPA with the EIR letter from RL's independent review team that validated the KBC Project Baseline.

EPA also asked for the total cost for treating the K East NLOP sludge at T Plant.
Action: RL will acquire the cost for treatment of the K East NLOP sludge at T Plant.

EPA expressed concern about the process for transferring the sludge from K East to K West; whether it is being containerized, and if the 5 m^3 is the quantity in containers or the volume of sludge pumped.
Action: RL will provide EPA with information on the initial transfer and if/how much mass was lost.

EPA also asked about the budget tables that were left out of the presentation and RL stated that they would be added into the record copy for the meeting minutes' approval.
Action: RL will include the budget tables in the record copy of the presentation.

CENTRAL PLATEAU MILESTONE REVIEW

M-015-00, M-016-00, M-020-00, M-024-00

U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology
1st Quarter FY07
January 18, 2006

Facilities D&D and Waste Sites Remediation

200-W-42 / UPR-200-W-163 Excavation Trench with Phase I Backfilled

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-015-00	**Initial responses to the public comments have been prepared and are being reviewed by the Parties. It is expected that the change requests in the M-015 package will be signed by the end of the month**		
M-015-46A	2/28/06	Submit 200 Area Chemical Laboratory Waste OUs RI Report	COMPLETE
M-015-39C	3/31/06	Submit Draft A 200-CS-1 Chemical Sewer Group FS and PP	COMPLETE
M-015-43C	5/31/06	Submit 200-PW-2 OU FS, PP & Permit Mod	COMPLETE
M-15-44A	4/30/06	Submit 200-MW-1 OU Remedial Investigation Report	COMPLETE
M-015-45A	10/31/06	Submit Plutonium/Organic-Rich OU Remedial Investigation Report	COMPLETE
M-015-46B	11/30/06	Submit 200 Area Chemical Laboratory Waste OUs FS	On Schedule (Schedule to be changed to 12/31/11 in M-15-06-02)
M-015-44B	04/30/07	Submit 200-MW-1 OU FS and PP	At risk (Schedule to be changed to 12/31/08 in M-15-06-02)
M-015-45B	09/30/07	Submit Plutonium/Organic-Rich OU FS and PP	Very aggressive schedule to meet TPA milestone
M-015-48A	05/31/06	Submit Draft A 200-ZP-1 OU RI Report	COMPLETE
M-015-48B	05/31/07	Submit Draft A 200-ZP-1 OU FS and PP	On Schedule (Schedule to be changed to 9/30/07 in M-15-06-02)
M-016-00	**Remedial Design / Remedial Action**		
M-016-00	09/30/24	Complete Remedial Actions for all Non-Tank Farm Operable Units	------
M-020-00	**Submit Closure Plans for all RCRA TSD Units**		
M-020-39	3/31/06	Submit 216-S-10 Pond and Ditch Closure Plan to Ecology	COMPLETE
M-020-33	4/30/06	Submit 216-A-10/216-A-36B/216-A-37-1 Crib Closure/Post Closure Plans	COMPLETE

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-024-57G	12/31/05	DOE Shall Install a Cumulative of 45 Wells by 12/31/05	COMPLETE
M-024-57H	06/30/06	DOE Initiates Discussions Annually to Reaffirm Selected Wells	COMPLETE
M-024-57I	08/01/06	Conclude Negotiations and Revise M-024-57 by 08/01/06	COMPLETE
M-024-57J	12/31/06	DOE Shall Install a Cumulative of 60 Wells by 12/31/06	COMPLETE
M-024-57M	12/31/07	DOE Shall Install a Cumulative of 75 Wells by 12/31/07	Ahead of Schedule
M-024-00	TBD	Complete Well Installations in Accordance with RCRA/CERCLA Requirements	------

Significant Accomplishments

M-015-00 & M-015-00C

The Public Review on Tentative Agreement for the M-015 Change Request Package resulted in only minor comments. Responses have been prepared and the Parties are reviewing those responses. It is anticipated that the change request in the package will be signed by the end of January.

Waste Sites Remediation

- Completed comment clarification/resolution meetings for Ecology's July 3, 2006 comments on 200-CS-1 Feasibility Study.
- Issued Draft A 200-PW-1/3/6 Operable Unit Remedial Investigation Report.
- Completed additional geophysical surveys in 200-SW-2 burial grounds and published summary report.

Groundwater Remediation

- Issued Final 200-ZP-1 Remedial Investigation Report.
- The draft final treatability test plan for testing a Purolite resin for removing Tc-99 contamination from ZP-1 water is in editing and will be released shortly as final.
- Put a 10th 200-ZP-1 groundwater extraction well on line.
- Completed two of the 3 wells (I and J) associated with the 200-BP-5 Drilling SAP supporting the far field B/BX/BY WMA investigation of the Uranium and Tc-99 plumes.
- FH Groundwater Remediation and CHG ORP completed an Integrated contract for high resolution resistivity survey of the B/BX/BY WMA and proximal waste sites. Field work is currently on-going.

Significant Accomplishments

M-016-00

Waste Sites Remediation

- Completed video and determined radiation level of 241-U-361 Settling Tank interior (above water level) as part of sludge sampling planning.

M-024-00

Groundwater Remediation

- 15 of the 15 proposed CY06 wells and 10 CY07 wells completed.

- 11 remedial investigation wells in progress. (200-ZP-1 [3], ^{99}Tc wells T-4 and T-5 near T-Tank Farm [2], 100-KR-4 [3] and 200-BP-5 [3]).

RL-0040 Central Plateau Remediation
Schedule/Cost Performance FYTD Status ($000s)

Work Scope	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.2.8.3 - 200-UW-1 U Plant Zone Waste Site Remediation	959.7	740.7	409.0	(219.0)	331.7	4,961.4
4.1.2.8.5 - 200-CW-1 Gable Mtn/B Pond CWG	64.7	95.7	142.4	30.9	(46.7)	753.2
CP-1 Remediation Projects Total	**1,024.4**	**836.4**	**551.3**	**(188.1)**	**285.0**	**5,714.6**
4.1.1.2.2 - 100A GPF - Deactivation & Disposition	0.0	0.0	0.1	0.0	(0.1)	0.0
4.1.2.1.1 - U Plant	311.4	249.6	231.0	(61.8)	18.6	918.6
4.1.2.1.3 - Balance of Canyon and Other Facilities	559.9	244.2	348.6	(315.7)	(104.4)	1,932.6
4.1.2.4.1 - Balance of 200 area Facilities Cleanup OY	37.6	0.0	0.0	(37.6)	0.0	161.6
4.1.2.4.5 - PUREX Planning	50.8	69.7	7.4	18.9	62.3	311.2
CP-3 Deactivation & Decommissioning Total	**959.8**	**563.5**	**587.1**	**(396.2)**	**(23.5)**	**3,323.9**
4.1.1.4.1 - 100 Area Surveillance and Maintenance	0.0	0.0	(0.1)	0.0	0.1	0.0
4.1.1.4.2 - 100A GPF - S&M	0.0	0.0	1.7	0.0	(1.7)	0.0
4.1.1.4.3 - 100 Area Inactive Waste Sites S&m	0.0	0.0	0.1	0.0	(0.1)	0.0
4.1.2.6.1 - CP Min Safe Oversight & Services	872.6	867.3	819.8	(5.3)	47.5	3,753.1
4.1.2.6.2 - Nuclear Facility Support	107.8	107.1	197.5	(0.7)	(90.4)	463.3
4.1.2.6.4 - CP Inactive Waste Sites Min Safe	145.7	147.1	126.2	1.3	20.9	637.7
4.1.2.6.5 - Misc Facilities Min Safe	129.1	121.9	107.7	(7.2)	14.2	545.6
4.1.2.6.6 - 209-E Min Safe	43.0	42.9	22.4	(0.1)	20.5	185.8
4.1.2.6.7 - U Plant Min Safe	157.5	113.1	94.2	(44.4)	18.9	850.9
4.1.2.6.8 - B Plant Min Safe	246.7	183.5	88.5	(63.3)	94.9	661.8
4.1.2.6.9 - PUREX Min Safe	327.3	356.4	202.0	29.1	154.4	1,213.9
4.1.2.6.10 - REDOX Min Safe	106.4	108.5	134.6	2.1	(26.1)	674.5
4.1.2.6.12 - CP General Purpose Facilities (GPF) Min Safe	12.3	12.3	15.7	0.0	(3.4)	53.1
4.1.2.6.13 - CP Active Waste Sites Min Safe	0.0	0.0	0.3	0.0	(0.3)	0.0
4.1.2.6.15 - Facility Hazard Reductions	460.4	286.0	256.3	(174.4)	29.6	1,835.0
CP-4 Surveillance & Maintenance Total	**2,608.8**	**2,346.0**	**2,066.9**	**(262.8)**	**279.1**	**10,874.6**

Updated through December 2006

RL-0040 Central Plateau Remediation
Schedule/Cost Performance FYTD Status ($000s)

Work Scope	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.2.7.1 - CP Project Management and Support	514.3	514.8	553.4	0.5	(38.5)	2,212.5
4.1.2.7.2 - Business Managment & Integration	175.8	175.8	258.8	0.0	(83.0)	755.5
4.1.2.7.3 - Chief Engineer	107.8	107.8	97.5	0.0	10.3	463.2
4.1.2.7.4 - Technical Support	234.3	234.3	245.2	0.0	(10.9)	1,006.9
4.1.2.7.5 - ESH&Q	281.2	281.2	380.6	0.0	(99.4)	1,208.5
CP-5 Project Mgmt & Support Total	**1,313.5**	**1,314.0**	**1,535.5**	**0.5**	**(221.5)**	**5,646.6**
4.1.2.8.1 - Central Plateau Integration and Planning	903.5	1,004.6	994.4	101.1	10.2	4,453.4
4.1.2.8.2 - Ecological Risk Assessment	492.2	252.2	229.7	(240.0)	22.5	1,026.3
4.1.2.8.4 - B/C Cribs, Trenches & Cntl Area Remediation	274.3	170.8	168.6	(103.5)	2.2	1,203.5
4.1.2.8.5 - 200-CW-1 Gable Mtn/B Pond CWG	3.5	3.4	0.5	0.0	2.9	14.8
4.1.2.8.6 - 200-CS-1 Chemical Sewer Group	(25.3)	63.0	92.1	88.3	(29.0)	283.2
4.1.2.8.7 - 200-CW-5 U Pond/Z-Ditches CWG	26.8	12.3	14.3	(14.5)	(2.1)	124.0
4.1.2.8.8 - 200-TW-1/2 Scavenged Waste Group	4.3	4.3	5.8	0.0	(1.5)	18.7
4.1.2.8.9 - 200-PW-2/4 Uranium-Rich Process	85.0	15.7	18.1	(69.3)	(2.4)	302.8
4.1.2.8.10 - 200-PW-1/3/6 Pu-Rich Waste Group	336.9	217.1	232.6	(119.8)	(15.5)	1,284.7
4.1.2.8.11 - 200-LW-1 200A Chem Lab Waste Group	102.1	23.1	38.5	(79.0)	(15.4)	296.4
4.1.2.8.12 - 200-MW-1 Misc. Waste Group	1,019.5	969.3	560.5	(50.2)	408.8	1,909.6
4.1.2.8.13 - 200-UR-1 Unplanned Releases Waste Group	219.3	182.9	214.5	(36.4)	(31.6)	1,114.3
4.1.2.8.14 - 200-SW-2 Rad & 200 SW-1 Non Rad Landfills	550.3	140.0	148.7	(410.3)	(8.7)	1,594.5
4.1.2.8.15 - 200-IS-1 Tanks/Boxs/Pits/Lines Group	240.2	161.5	206.5	(78.7)	(45.0)	839.6
4.1.2.8.16 - 200-BP-1 Hanford Prototype Barrier	21.5	20.7	15.0	(0.8)	5.7	112.0
4.1.2.8.17 - Burial Ground Sampling & Analysis	8.8	19.3	7.9	10.5	11.5	220.2
4.1.2.8.20 - M-15	0.0	0.0	0.0	0.0	0.0	4,906.4
GW-40 Closure Projects Total	**4,262.9**	**3,260.4**	**2,947.9**	**(1,002.5)**	**312.5**	**19,704.5**
Grand Total	**10,169.4**	**8,320.2**	**7,688.7**	**(1,849.1)**	**631.5**	**45,264.2**

Updated through December 2006

RL-0040 Central Plateau Remediation
Schedule Performance

Schedule Variance	FYTD Variance	Causal Factors/Corrective Actions
CP-1 Remediation Projects	(0.2)	Delays in performing U8/U12 Barrier work scope due to delay in ROD approval. ROD approval is expected in March and a baseline change request is in process to replan the FY 2007 scope.
CP-3 Deactivation & Decommissioning	(0.4)	Delays in U-Canyon Studies due to additional/new information which is increasing the duration of assembling background data.
CP-4 Surveillance & Maintenance	(0.3)	Delays in 212N Inventory Reduction due to delays in approval of the CE-SPA. An OTRS is being prepared as a work around and a shipment will take place in April. Also due to delays in U-Canyon crane maintenance and B Plant filter change out as a result of resources working on higher priority work scope.
CP-5 Project Mgmt & Support	0.0	N/A
GW-40 Closure Projects	(1.0)	Delays in Ecological sampling resulting from prior delays in SAP approval and lack of sampling resources (-$.3M). BC Cribs work completed in prior years (-$.1M). Delays in SW-2 field work and studies resulting from resources being utilized to perform Full DQO, which is taking longer than planned (-$.4M). Delays in IS-1 pipeline mapping due to lack of resources (-$.1M). Delays in engineering studies/miscellaneous (-$.1M).
RL-0040 Totals	(1.9)	

Updated through December 2006

RL-0040 Central Plateau Remediation
Schedule Performance

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CP-1 Remediation Projects	(0.2)	Delays in performing U8/U12 Barrier work scope due to delay in ROD approval. ROD approval is expected in March and a baseline change request is in process to replan the FY 2007 work scope.
CP-3 Deactivation & Decommissioning	(0.4)	Delays in U-Canyon Studies due to additional/new information which is increasing the duration of assembling background data.
CP-4 Surveillance & Maintenance	(0.3)	Delays in 212N Inventory Reduction due to delays in approval of the CE-SPA. An OTRS is being prepared as a work around and shipment will take place in April. Also due to delays in U-Canyon crane maintenance and B Plant filter change out as a result of resources working on higher priority work scope.
CP-5 Project Mgmt & Support	0.0	N/A
GW-40 Closure Projects	(1.0)	Delays in Ecological sampling resulting from prior delays in SAP approval and lack of sampling resources (-$.3M). BC Cribs work completed in prior years (-$.1M). Delays in SW-2 field work and studies resulting from resources being utilized to perform Full DQO, which is taking longer than planned due to large number of regulatory participants (-$.4M). Delays in IS-1 pipeline mapping due to lack of resources. (-$.1M). Delays in engineering studies/miscellaneous (-$.1M).
RL-0040 Totals	(1.9)	

Updated through December 2006

RL-0040 Central Plateau Remediation
Cost Performance

Cost Variance	FYTD Variance	Causal Factors/Corrective Actions
CP-1 Remediation Projects	0.3	Correction of contract accrual for ERDF cost associated with W-42 pipeline removal; offset by lagging FY06 W-42 Pipeline removal equipment rental costs.
CP-3 Deactivation & Decommissioning	0.0	Insignificant
CP-4 Surveillance & Maintenance	0.3	Efficiencies from using Min Safe staff on LOE work as well as discrete work scope.
CP-5 Project Mgmt & Support	(0.2)	Primarily due to lagging relocation costs from FY06, additional costs associated with EIR support.
GW-40 Closure Projects	0.3	Primarily due to favorable drilling progress at the A-4 borehole resulting in cost efficiencies.
RL-0040 Totals	0.6	

Updated through December 2006

RL-30 Groundwater Remediation Project
Schedule/Cost Performance FYTD Status

Workscope	BCSW	BCWP	ACWP	SV	CV	BAC
4.1.7.1 - Groundwater/Vadose Zone Integration	2.172	1.741	1.648	(0.431)	0.094	9.462
4.1.7.2 - Recharge Control	0.060	0.016	0.070	(0.044)	(0.054)	0.125
4.1.7.3 - Well Management	0.867	0.987	1.124	0.121	(0.137)	3.633
4.1.7.4 - Project Management	1.392	1.388	1.310	(0.004)	0.078	5.983
4.1.7.5 - Integrated Field Work	1.337	1.340	1.323	0.003	0.017	5.911
4.1.7.6 - Groundwater Monitoring and Performance Assessments	2.869	2.541	2.581	(0.328)	(0.040)	10.973
4.1.7.10 - 100 BC-5 Operable Unit	0.029	0.029	0.011	(0.000)	0.018	0.124
4.1.7.11 - 100 KR-4 Operable Unit	1.386	1.767	1.241	0.381	0.527	4.978
4.1.7.12 - 100 NR-2 Operable Unit	0.887	0.264	0.408	(0.623)	(0.145)	2.909
4.1.7.13 - 100 HR-3 Operable Unit	0.914	0.914	0.709	0.000	0.205	5.016
4.1.7.14 - 100 FR-3 Operable Unit	0.032	0.032	0.017	(0.000)	0.015	0.140
4.1.7.20 - 200 BP-5 Operable Unit	0.510	0.361	0.469	(0.149)	(0.108)	2.043
4.1.7.21 - 200 PO-1 Operable unit	0.153	0.133	0.095	(0.020)	0.038	0.940
4.1.7.22 - 200 UP-1 Operable Unit	0.124	0.160	0.144	0.035	0.016	0.879
4.1.7.23 - 200 ZP-1 Operable Unit	1.600	1.220	0.695	(0.380)	0.525	5.550
4.1.7.24 - 200 ZP-2 Operable Unit	0.144	0.171	0.098	0.028	0.073	0.898
4.1.7.30 - 300 FF-5 Operable Unit	0.601	0.393	0.492	(0.208)	(0.100)	1.802
TOTAL - PBS RL-0030	**15.077**	**13.458**	**12.435**	**(1.619)**	**1.023**	**61.364**

Updated through December 2006

RL-30 GRP Schedule Variance Explanations – 1st Quarter FY-07
($ in Millions)

Updated through December 30, 2006

Schedule Variance	FYTD Variance	Causal Factors/Corrective Actions
4.1.7.1 – Groundwater/Vadose Zone Integration	(0.4)	- Competing priorities on the finalization of strategy and issuing of subcontracts - Initiation of the Technical Peer Review delayed while discussions occurred with RL and Ecology regarding the panel/workshop strategy - RDS behind schedule due to the rescheduling of activities - RS&T behind schedule due to competing priorities and re-time phasing of work - Environmental Databases is behind schedule primarily due to the effort to finalize subcontracting strategy (identifying scope, etc.) with LMSI
4.1.7.2 – Recharge Control	(0.0)	Insignificant
4.1.7.3 – Well Management	0.1	Insignificant
4.1.7.4 – Project Management	(0.0)	Insignificant
4.1.7.5 – Integrated Field Work	0.0	Insignificant
4.1.7.6 – Groundwater Monitoring & Performance Assessments	(0.3)	Library moved postponed until January; aquifer tube sampling started late and is one month behind schedule; should self correct
4.1.7.10 – 100 BC-5 Operable Unit	(0.0)	Insignificant
4.1.7.11 – 100 KR-4 Operable Unit	0.4	Completion of FY-06 carryover workscope (+$750K) vs project decision to use resin and totes; these items will be ordered as the project needs them and will self correct at that time (-$350K)
4.1.7.12 – 100 NR-2 Operable Unit	(0.6)	Field was not preparing for injections to start in November and December; change in field implementation plan; BCR forthcoming
4.1.7.13 – 100 HR-3 Operable Unit	0.0	Insignificant
4.1.7.14 – 100 FR-3 Operable Unit	(0.0)	Insignificant
4.1.7.20 – 200 BP-5 Operable Unit	(0.1)	Insignificant
4.1.7.21 – 200 PO-1 Operable Unit	(0.0)	Insignificant
4.1.7.22 – 200 UP-1 Operable Unit	0.0	Insignificant
4.1.7.23 – 200 ZP-1 Operable Unit	(0.4)	Less progress than planned for WSCF analysis due to late start in drilling two T-Farm wells; three months behind schedule on feasibility study due to risk modeling delays; proposed plan three months behind schedule
4.1.7.24 – 200 ZP-2 Operable Unit	0.0	Insignificant
4.1.7.30 – 300 FF-5 Operable Unit	(0.2)	Delays in October due to quality concerns on contract work resulting in delays in the vendor's receipt of funding and their resources being temporarily assigned to other work; this is expected to be recovered in the near term with no overall schedule impact
Total FYTD Schedule Variance	(1.6)	

RL-30 GRP Cost Variance Explanations – 1st Quarter FY-07
($ in Millions)

Updated through December 30, 2006

Cost Variance	FYTD Variance	Causal Factors/Corrective Actions
4.1.7.1 – Groundwater/Vadose Zone Integration	0.1	Insignificant
4.1.7.2 – Recharge Control	(0.1)	Insignificant
4.1.7.3 – Well Management	(0.1)	Insignificant
4.1.7.4 – Project Management	0.1	Insignificant
4.1.7.5 – Integrated Field Work	0.0	Insignificant
4.1.7.6 – Groundwater Monitoring & Performance Assessments	(0.0)	Insignificant
4.1.7.10 – 100 BC-5 Operable Unit	0.0	Insignificant
4.1.7.11 – 100 KR-4 Operable Unit	0.5	- Overstated contract accrual and G&A exemptions due to capital budget needing approval from RL; this will correct in January's processing - Efficiencies in project management, chemical treatment, KW Pump and Treat; all may self correct during the fiscal year
4.1.7.12 – 100 NR-2 Operable Unit	(0.1)	Insignificant
4.1.7.13 – 100 HR-3 Operable Unit	0.2	- Labor efficiencies in project management, HR-3 Pump and Treat, D Area Pump and Treat and ISRM Maintenance; all may self correct during the fiscal year
4.1.7.14 – 100 FR-3 Operable Unit	0.0	Insignificant
4.1.7.20 – 200 BP-5 Operable Unit	(0.1)	Insignificant
4.1.7.21 – 200 PO-1 Operable Unit	0.0	Insignificant
4.1.7.22 – 200 UP-1 Operable Unit	0.0	Insignificant
4.1.7.23 – 200 ZP-1 Operable Unit	0.5	- Efficiencies in RI/FS activities; WSCF charges are lagging; efficiencies in EPA walkthrough of Final RI Report; and efficiencies in interim action monitoring and Pump and Treat activities
4.1.7.24 – 200 ZP-2 Operable Unit	0.1	Insignificant
4.1.7.30 – 300 FF-5 Operable Unit	(0.1)	Insignificant
Total FYTD Cost Variance	1.0	

Planned Activities

Next 6 Months

Facilities D&D

- 221-U Facility/Canyon Disposition Initiative (CDI) post-ROD work:
  - Issued Draft A Remedial Design/Remedial Action Work Plan and accompanying change request to EPA and Ecology (December 2006).
  - Develop remedial design engineering alternatives studies (June 2007):
    - Canyon void fill analysis and installation plan
    - Railroad tunnel reactivation study
    - Cell 30 tank contents removal plan and safety documentation.
  - Develop canyon waste acceptance study (June 2007).
  - Continue Surveillance and Maintenance activities, including
    - Purchase and installation of new viewing bubble
    - Crane reactivation in support of roof inspection.

- Initiate PUREX canyon data quality objectives process (February 2007).

- Identify path forward for documenting agreements on facility binning including the development of an Agreement in Principle for later TPA negotiations.

- Transmit Draft A of the EE/CA for non-time critical removal action for Bin C facilities to EPA and Ecology for review.

- Initiate D&D of ten structures (607, 622D, 622G, 2710E, 2231E, 2232E, and 2233E, MO-991, MO-943, and M0-040) that do not have active utilities and have already undergone initial demolition preparation activities.

  - These demolitions bridge a schedule gap for D&D crews and allow continued progress on clean-up of the plateau. At least one of these facilities has been condemned by the fire marshal.

Planned Activities

Next 6 Months

M-015-00

Waste Site Remediation

- Complete DQOs for the model groups.
- Prepare SAPs for new characterization work identified.

- **200-CS-1**
  - Submit RL response package to Ecology July 3, 2006 comments.
  - Hold one-day workshop with Ecology to be held during the week of February 5, 2007, to present for discussion the path forward for the development of Draft B of the FS.
- **200-PW-2/4**
  - Revisit resolution of Ecology's remaining comment on the 200-PW-2/200-PW-4 RI Report pending outcome of the M-015 tentative agreement.
- **200-PW-1/3/6**
  - Continue to prepare Revision 0 of the Remedial Investigation Report and Draft A of the Feasibility Study.

200-SW-1/2
- Continue collaborative DQO for 200-SW-1/2.
- Initiate SAP write-up for inclusion in the 200-SW-1/2 Work Plan.

- **200-MW-1**
  - Complete drilling at 216-A-4 Crib to support completion of the characterization at that site for the 200-MW-1 Operable Unit.
  - Move 216-A-2 from PW-3 (Appendix C change)
  - Prepare SAP for A-2 and A-21 characterization
- **200-LW-1/2**
  - Prepare for additional characterization to support feasibility study and proposed plan.
- **200-IS-1**
  - Complete 200-IS-1 DQO process.
  - Prepare Internal Draft Work Plan for initial phase of sampling.
- **BC Cribs**
  - Initiate BC Cribs Treatability planning and preparations.
  - Complete HRR Correlation DQO/SAP process.

Planned Activities

Next 6 Months

M-015-00

Groundwater Remediation

- **200-UP-1**
  - Turn 200-UP-1 pump-and-treat system back on at Ecology's request to meet lower action level for uranium. An Explanation of Significant Difference (ESD) is currently being prepared by Ecology.

- **200-ZP-1**
  - Continue preparing the 200-ZP-1 Feasibility Study.
  - Begin treatability testing for Tc-99 removal.

- **200-BP-5 OU**
  - Issue 200-BP-5 DQO Report.
  - Complete High Resolution Resistivity Surveys.
  - Complete Drilling of 3 Proposed Wells F, I, and J.
  - Issue 200-BP-5 Work Plan/SAP for RI/FS.

- **200-PO-1 OU**
  - Issue RI/FS DQO Summary Report.

Planned Activities

Next 6 Months

M-016-00

Waste Sites Remediation

- Target 200-UW-1 ROD in March- 2007. Draft to include final actions for all UW-1 waste sites except cribs. ROD should specify additional actions for cribs including: additional characterization of deep vadose zone, and construction of one engineered barrier to collect barrier performance data.
- Approve SAP for 241-U-361 Settling Tank.
- Approve SAP for UW-1 Waste Sites RTD.
- Obtain sample of sludge in 241-U-361 Settling Tank.
- Approve/Reject TPA Change Requests for 216-U-12 (TSD to RPP) and 216-U-15 (CPP to RPP).

Groundwater Remediation

- Complete the 200-West Area Carbon tetrachloride Source-Term Investigation (Vista Engineering).

Issues

Regulatory Issues (DOE-only opinion)

- Agreement is needed on key decision parameters to facilitate timely Records of Decision (e.g.; UW-1, BC Cribs).

Hanford K Basins Closure Project

Tri-Party Agreement M-34 Milestone Review

U.S. Department of Energy,
Richland Operations Office
First Quarter FY 2007

January 18, 2007

TPA Milestone Status

Remaining Milestones Due Fiscal Year 2006-2009

Number	Milestone Title	Due Date	Status/Comments
M-34-33	Containerize K East Sludge, All K East Sludge is placed in containers a. Sludge containerization initiation b. Sludge containerization complete	a. 10/31/2004 b. 03/01/2005	a. Initiated on 10/31/2004. b. Completed on 10/20/2006.
M-34-34	Complete removal of K East Sludge	05/2007	Commenced removal using Hose-in-Hose system on 10/16/2006.
M-34-35	Containerize K-West Sludge a. All K West bulk sludge is placed in containers b. Complete final pass clean up	a. 07/2007 b. 01/2008	a. Completed RA on 11/08/2006; commenced containerization 11/17/2006. b. Work in progress.
M-34-30	Initiate Sludge Treatment This interim milestone will be complete following treatment and packaging of the first unit of sludge into a form that is certifiable for disposal offsite.	12/2008	At risk. Delays in the procurement process and revision of nuclear safety documentation impacting schedule.
M-34-32	Complete Removal of the K East Basin Structure This interim milestone will be complete when spent nuclear fuel, sludge, debris and water are removed from the K East Basin and the upper building and concrete basin are removed.	03/31/2007	At risk. Requires completion of M34-34. Per baseline, M34-34 will not be completed in time frame that supports this milestone. Currently in dispute.
M-34-31	Complete Sludge treatment This interim milestone will be complete following treatment and package of all sludge for disposal offsite.	11/2009	At risk. Delays in the procurement process and revision of nuclear safety documentation impacting schedule.
M-34-00A	Complete removal of the K Basins and their contents Note: This milestone will be complete when both K East and K West Basins, spent nuclear fuel, sludge, debris, and water are removed.	03/31/2009	At risk. Requires completion of M-34-31. Per baseline, M-34-31 will not be completed in time frame that supports this milestone.

Significant Accomplishments and Status

Project-wide

- RL has decided not to act on FH's proposal providing alternative approaches for turnover of the K Basins to the River Corridor Contractor earlier than baseline schedule due to broader cost and schedule considerations.
- Obtained official external Independent Review team validation of the KBC Project Baseline from DOE's Office of Engineering and Construction Management.

K East Basin

- RL has received for disposition a baseline change request from FH for rubblizing the K East Basin by September 30, 2008 versus a grout and remove approach by July 2009.
- Completed bulk sludge containerization on October 20, 2006.
- Made a Fuel Transfer System shipment of "found fuel" in K East to K West.
- Continued removing debris from the Basin in support of final pass vacuuming/attainment of end point criteria.

Significant Accomplishments and Status

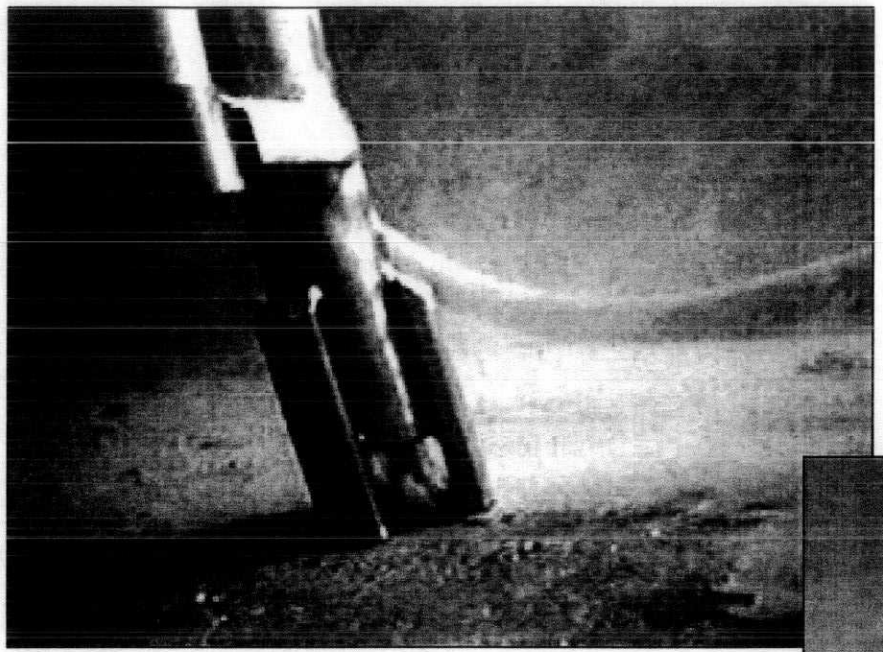
Transfer of Containerized K East Basin Sludge to K West Basin Containers

- Initiated the hose-in-hose (HIH) transfer of sludge from K East to K West Basin on October 16, 2006.
- Transferred an estimated 5 m^3 of sludge from K East to K West (see metrics)

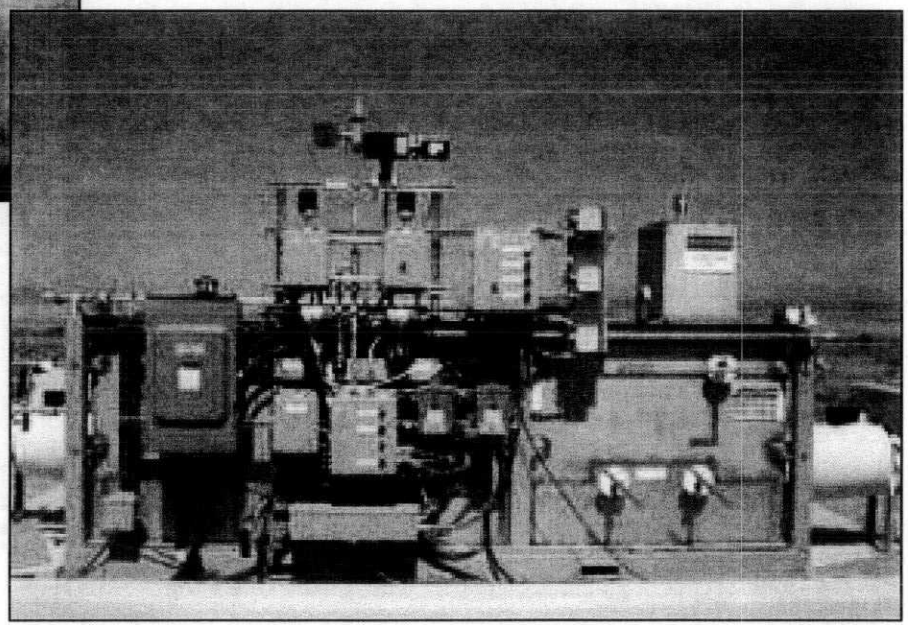
K West Basin

- Completed Readiness Assessment for and commenced floor and pit sludge retrieval in the K West Basin on November 17, 2006.
- Commenced retrieval and transfer of sludge from K West floor and pits to K West containers (see metrics).

Significant Accomplishments and Status



K East Final Pass Rate Verification



Hose-in-Hose Booster Station

Significant Accomplishments and Status

K Basins Sludge Treatment

- Continued fabrication of the Mobile Solidification System (MOSS) unit. MOSS fabrication is ~68% complete.
- FH is working with RL to finalize RL's approval of Revision 0,. Volume 2 of the Sludge Treatment Project (STP) Preliminary Documented Safety Analysis (PDSA) addressing the Corrosion System, Assay System, and MOSS.
- Revision 0, Volume 1 of the STP PDSA addressing the Drum Handling Systems and Retrieval and Transfer Systems was submitted to DOE for review and approval.
- DOE approved procurement of the Assay System, Drum Handling System, and Retrieval and Transfer Systems primary transfer pump.
- Received bids for Assay System fabrication.
- Awarded contract for Drum Handling System shield window. RFPs for balance of Drum Handling System equipment were issued.
- Received initial response to Retrieval and Transfer Systems primary transfer pump RFP.
- Completed 90% design of the Retrieval and Transfer Systems and the associated FH design review.
- Transmitted Remedial Design Report for Sludge Assay and Solidification to EPA for approval.

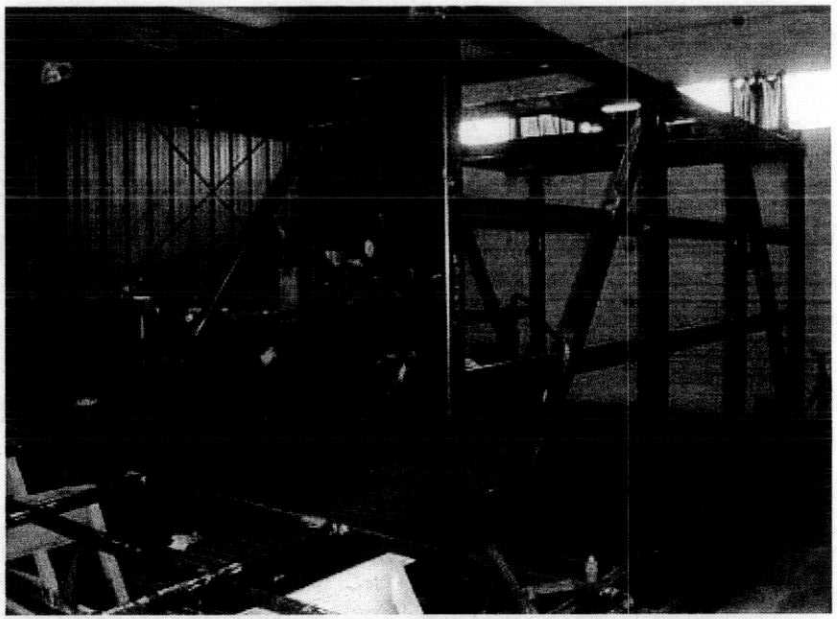
Significant Accomplishments and Status

K Basins Sludge Treatment- continued

- Prepared post-ROD treatability study plan evaluating the impact of the oxidation/corrosion process on the physical and rheological properties of the treated sludge.
- Initiated lab scale corrosion process chemistry testing at PNNL hot cells per treatability study plan.
- Completed the Corrosion System 100% design and design review.
- Issued RFP for Corrosion System fabrication.
- Initiated construction of Cold Vacuum Drying Facility (CVDF) modifications required for the installation of the Contractors Stabilization and Packaging System.
- Awarded contract for manufacture and installation of CVDF Bay 1 bridge crane.
- RL has reviewed FH's Rough Order of Magnitude cost estimate for conducting sludge treatment at lower temperature and pressure and has decided not to pursue this.
- DOE issued Revision 6 to the Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant which encompasses remote handled transuranic waste.

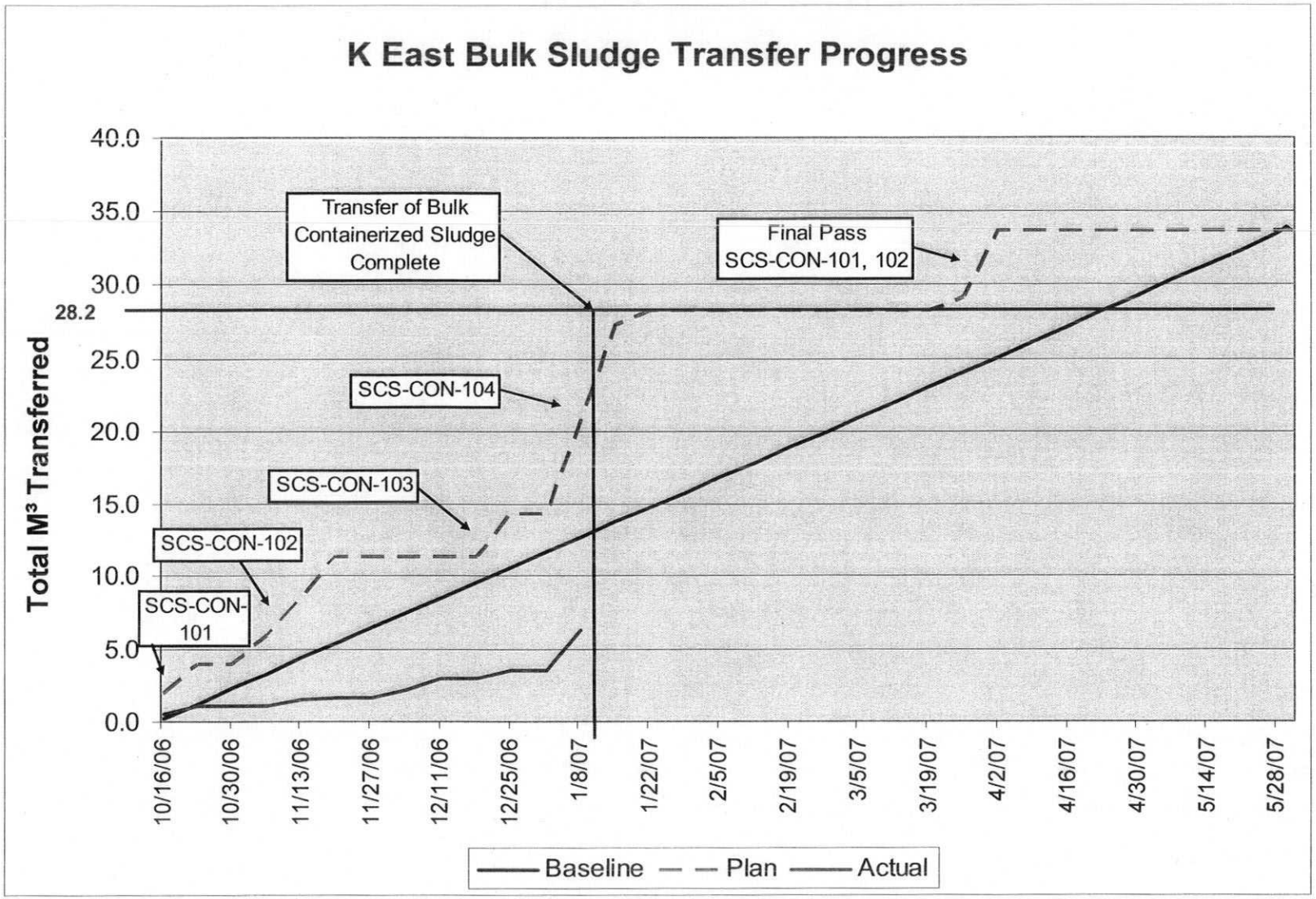
Significant Accomplishments and Status

Start of the Sludge Treatment Project construction at the Cold Vacuum Drying Facility

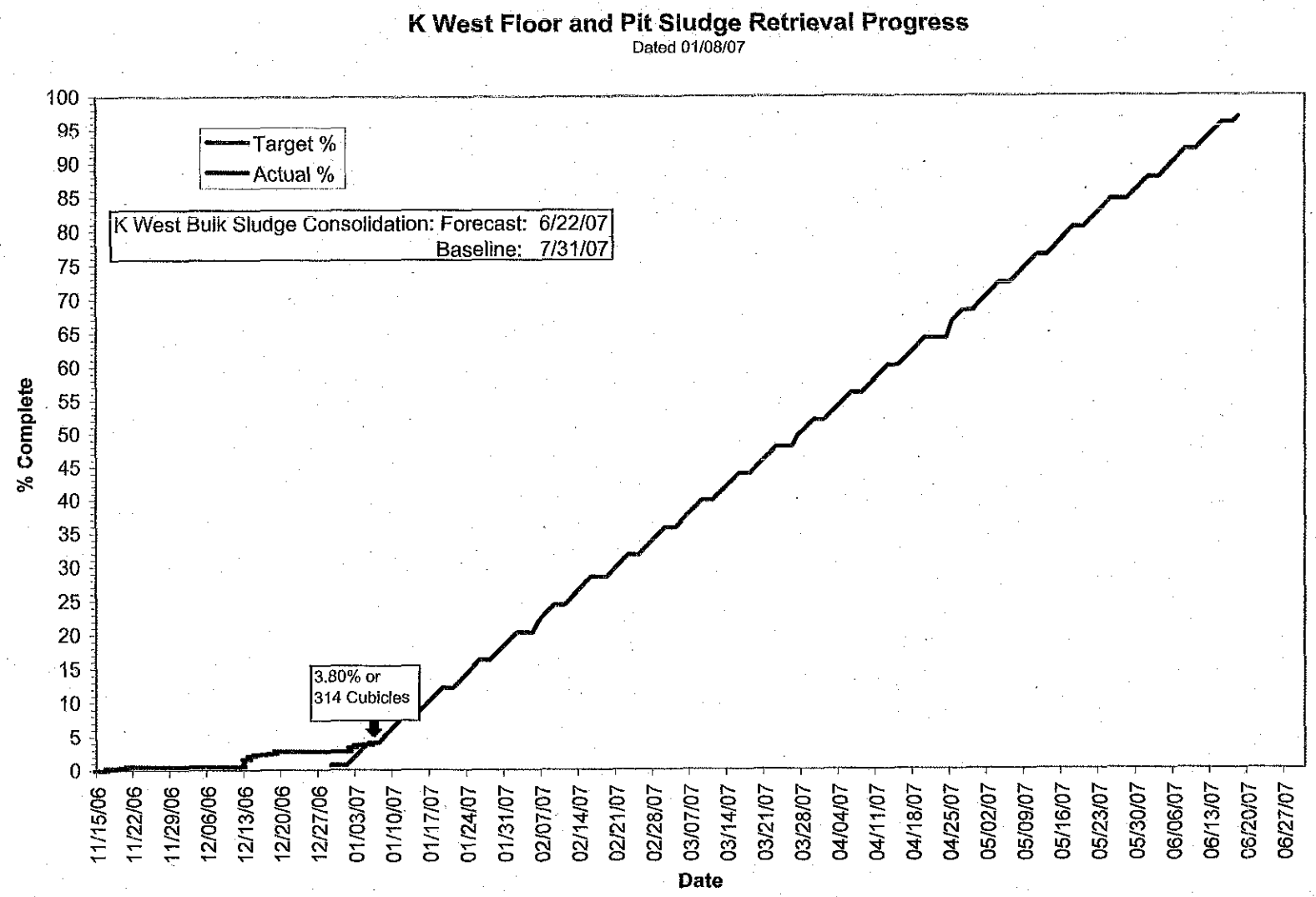


Mobile Solidification System structural framework fabrication

K East Metrics



K West Metrics



Upcoming Activities (next 3 months)

Project-wide

- Manage/mitigate current and emerging risks.
- Continue to ship staged debris waste to ERDF for disposal.

K East Basin

- Work with Washington Closure Hanford (WCH) to receive fuel fragments of questionable enrichment from remedial action operations associated with burial grounds.
- Remove debris in K East Basin.
- Perform the Qualified Process to demonstrate achieving End Point Criteria.
- Complete installation of K East final pass system
- Initiate K East final pass vacuuming
- Prepare Remedial Design Report / Remedial Action Waste Plan for K East Basin deactivation.

K West Basin

- Continue transfer of sludge from K East Basin to K West Basin.
- Remove debris in K West Basin.
- Continue to containerize floor and pit sludge.

Upcoming Activities (next 3 months)

Sludge Treatment

- Award contracts for the fabrication of the Retrieval and Transfer System primary transfer pump, the Corrosion System, the Assay System, and assorted Drum Handling Systems equipment.
- Continue ramp up of STP construction activities at CVDF.
- Obtain DOE approval of Revision 0, Volumes 1 and 2 of the PDSA addressing the 5 major STP systems (Retrieval and Transfer Systems, Corrosion System, Assay System, MOSS, and Drum Handling Systems) and other STP components.
- Continue fabrication and assembly of the MOSS.
- Continue lab scale corrosion process chemistry testing.
- Prepare and transmit Remedial Design Report for Corrosion to EPA for approval.

KBC Project Risk Status

Risks are those factors associated with the Project, both existing and emerging, that can result in cost and schedule impacts. The process by which risks are identified and managed is described in the "KBC Project Risk Management Plan," KBC-28211.

Subproject	Major Remaining Risks with "Possible" or "Likely" Likelihood of Occurrence	Emerging Risks	Risk Mitigation
K East Basin	1. Re-deposition of sludge will necessitate additional vacuuming. 2. Delays in sludge vacuuming caused by clogging end effectors and hosing. 3. The waste designation and disposal pathway of approximately 100 boron trifluoride neutron detectors discovered in the K East Basin. 4. Removal of K East Basin structure by 03/31/07, M-34-34.		1. Re-evaluate the radiological characteristics and permissible depth of resettled sludge to reduce conservatism. 2. Re-negotiate TPA interim milestone.
K West and HIH Transfer	1. System performance issues associated with HIH operation. 2. Water clarity decreases productivity of sludge containerization at K West Basin 3. Vacuuming around/under fixed equipment takes longer than planned.	1. Potential schedule impacts to containerizing K West sludge due to resources that were allocated to floor and pit sludge retrieval that are being used to support HIH. 2. Mechanical seals to pump in booster pump station number 1 and 2 causing system shutdowns.	1. Installed suction line strainer. 2. Maintained continuous engineering presence. 3. Initiated debris removal campaign. 4. Working with seal vendor to resolve seal issues.

KBC Project Risk Status

Risks are those factors associated with the Project, both existing and emerging, that can result in cost and schedule impacts. The process by which risks are identified and managed is described in the "KBC Project Risk Management Plan," KBC-28211.

Subproject	Major Remaining Risks with "Possible" or "Likely" Likelihood of Occurrence	Emerging Risks	Risk Mitigation
Sludge Treatment	1. Hazards associated with treatment process force redesign. 2. Long lead items are unavailable when required. 3. Unexpected process phenomena (chemical and physical reactions/characteristics are different than expected).	1. Impact of withdrawal of $1.78M from PBS RL-013; T Plant support of readiness to receive drums. 2. Impact of new Waste Acceptance Criteria and transportation criteria. 3. Potential impact of PNNL sludge testing results on sludge corrosion process	1. Obtain reinstatement of funds by RL or acknowledgment of schedule impact. 2. Prepared assessment of new criteria against current project criteria to formulate implementation plan. 3. Request BNGA evaluation of potential impacts and recommended actions, if any.

Tri-Party Agreement Milestone M-92-05
Quarterly Status

S.K. Moy
U.S. Department of Energy
Richland Operations Office

January 18, 2007

Tri-Party Agreement Milestone M-92-05
Quarterly Status

- Performance assessment modeling initiated in January 2006 by the National Spent Nuclear Fuel Program (Idaho) to support the direct disposal assessment
- The computer model is based on the model used for the Yucca Mountain Environmental Impact Statement
- The performance assessment model simulated release of capsule contents over a period up to a million years

Tri-Party Agreement Milestone M-92-05
Quarterly Status

- Next Steps

1. Complete review and issue report in March 2007
2. Confer results with OCRWM

   a) regulatory process to remove RCRA waste codes

   b) March 2017- scheduled date when repository is operational to receive material

M-20 Milestone Review
Permits and Closure Plans

Presented by:

Tony McKarns
U.S. Department of Energy

January 18, 2007

Closure Plan Milestone Status

M-20-54 — 12/31/2008

Submit 241-CX-70 Storage Tank, 241-CX-71 Neutralization Tank, 241-CX-72 Storage Tank, 241-CX Storage Tank Closure/Postclosure Plan to Ecology in coordination with the 200-IS-1 Tanks/Lines/Pits/ Boxes Operable Unit Work Plan Feasibility Study scheduled under M-13-00M.

Current Milestone Status:

On schedule.

Planned Actions – next 6 months

- Ecology provide NOD comments or completeness letter for the 222-S Dangerous & Mixed Waste TSD Unit and WESF
- Ecology review/approve Class 1 modifications for quarter ending 12/31/06
- Ecology approve the clean closure certification for the 305-B Storage Facility, and 241-Z Storage and Treatment Tanks.
- Ecology provide pre-DRAFT Permit, Rev. 9.
- Ecology prepare responsiveness summary and issue Permit conditions for the Waste Treatment Plant 2+2 Permit Modification by 3/30/07.

Planned Actions – next 6 months

- DOE submit to Ecology the Annual Noncompliance Report pursuant to Permit Condition I.E.19 by 3/31/07
- DOE submit to Ecology the Annual Dangerous Waste Report by 3/31/07
- DOE submit quarterly Class 1 modifications for quarter ending 3/31/06
- DOE submit revised sections of the DST Rev. 1 Part B Application
- DOE submit CWC and WRAP Permit documentation updates to Ecology
- Ecology incorporate 224-T TRUSAF as a closure unit in the Permit
- DOE submit Part A form for 224-T TRUSAF
- Ecology provide comments on draft 400 Area WMU Part B Permit Application

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

Greg Sinton
U.S. Department of Energy,
Richland Operations Office

January 18, 2007

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

Significant Accomplishments of Last Three Months:

- Submitted M-91-03 TRUM/MLLW Project Management Plan 12/27/06
- Completed retrieval of 218-W-4C Trench 4 waste 11/21/06, approximately 5 weeks ahead of the TPA due date.
- Completed retrieval of 4700 cubic meters of retrievably stored waste (RSW) 11/30/06, one month ahead of the TPA due date.
- Retrieved 317 m^3 of RSW since the last quarterly report (10/16/06 – 1/9/07), bringing the total to 4808 m^3.

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

Significant Accomplishments of Last Three Months:

- Certified 166 cubic meters of M-91-42 TRU/M (10/13/06 – 1/5/07) bringing the total volume certified since 12/31/02 to 2387 cubic meters.
- Treated 69 m^3 of M-91-42 MLLW and 63 cubic meters of M-91-12 MLLW in the October through December period, bringing the totals to 5094 cubic meters for M-91-42 MLLW and 595 cubic meters for M-91-12 MLLW as of 12/31/06.

M-91 Status Summary 1/18/07

Milestone	Due Date(s)	Status Summary	Comments
General Comments			A. Status of dispute on Change Package M-91-06-01: The dispute has been split into two parts. The Statement of Dispute for the TRUM certification portion of the dispute was submitted November 27, 2006. Ecology issued a Director's Determination (DD) on the TRUM portion of the dispute. The milestones were unchanged by the DD. DOE is pursuing means to improve performance in the TRUM certification area as directed by the DD. The non-TRUM portion of the dispute has been extended at the Project Manager level until March 15, 2007. Discussions on this portion of the dispute had taken place through the M-91 PMP workgroup meetings. Now, starting with a meeting scheduled for January 18th, separate Project Manager meetings will be held to work on proposed changes to the M-91 milestones. B. In this table "On-Schedule" means it is anticipated the milestone will be met.
M-91-00: Major Milestone for acquisition of needed facilities/capabilities for mixed and suspect mixed MLLW, and TRUM and suspect TRUM.	TBD	On Schedule In dispute at the Project Manager level (Some clarifying definitions and addition of a definition for certification)	
M-91-01: Facility/Capability	6/30/12	At Risk (Proposed a revision	Engineering Study and Functional Design Criteria were delivered to

Interim Milestone (RH and/or large container TRUM)		to this schedule in M-91 change package M-91-06-01 submitted 9/29/06) In dispute at the Project Manager (PM) level.	EPA and Ecology 9/29/06 (06-AMCP-0311). Briefed Ecology and EPA on the FDC/ES submittal on October 11, 2006. Comments on the FDC/ES were received from Ecology on November 13, 2006, and responses were provided December 13, 2006. Additional evaluation of alternatives to meet needed capabilities are planned for FY07. Preparing necessary documentation to gain approval for continuation of development of capabilities at T-Plant
M-91-03: Submit TRUM/MLLW PMP	12/31/03, 12/28/06 3/31/09, 3/31/13	On Schedule	The PMP workgroup went through two rounds of comments, including Ecology comments prior to final submittal of the document December 27, 2006. The PMP is currently in the 45 day primary document review at Ecology. Discussions on the PMP should be helpful in understanding and resolving the M-91 dispute issues.
M-91-05-T01: Complete RH and or large TRUM retrieval/processing Engineering Study/FDC	12/31/07	Complete	Submitted FDC/ES 9/29/06 (06-AMCP-0311). This met the Target date a year early. Comments on the FDC/ES were received from Ecology on November 13, 2006, and responses were provided December 13, 2006 (AMCP-0060).
M-91-12: CH-MLLW Thermal Treatment (600 m^3 cumulative)	11/16/07	On Schedule	595 cubic meters of thermal treatment waste have been treated. Since enough waste has already been shipped to meet the M-91-12 milestone, future thermal treatment volumes above the 600 cubic meters to be applied to M-91-12 will be applied to the M-91-42 MLLW treatment requirements.
M-91-12A: CH-MLLW Thermal Treatment (240 m^3)	9/30/05	COMPLETE Met 8-16-05	Completion letter (05-AMCP-0420) sent to Ecology 9/27/05
M-91-15: RH MLLW and/or Large Size MLLW Treatment	6/30/08	At Risk (proposed a revision to the	"COMPLETE ACQUISITION OF FACILITIES AND/OR CAPABILITIES AND INITIATE TREATMENT OF RH-MLLW AND CH MLLW IN BOXES AND LARGE

		current scope based on M-91 facility design analysis) In dispute at the Project Manager (PM) level.	CONTAINERS" • Engineering study/FDC submitted 9/29/06. • Submitted a change package September 29, 2006 proposing revision of this milestone based on initial M-91 facility planning to move the MLLW RH and some MLLW large size capability to the M-91 facility completion date.
M-91-40: Retrieval and designation of CH-RSW (regardless of size)	7200 m^3 cumulative by 12/31/07 and annual retrieval volumes through 2010. Complete retrieval in T-4 by 12/31/06. Plus various other requirements	On Schedule Met 4700 level in November 2006 In dispute at the Project Manager (PM) level.	• Completed retrieval of 4C Trench 4 waste 11/21/06 • Completed retrieval of 4700 cubic meters 1 month early (11/30/06) • The July-Sept quarterly report was sent to Ecology December 19, 2006. • All four SAPs have been approved • The 4B Soil Vapor Extraction (SVE) Workplan was approved by Ecology December 13, 2006. The allowed the SVE work at 4B trench 7 to get started on December 18, 2006 to help maintain progress on concurrent 4B/4C retrieval plans. • 4808 m^3 of RSW retrieved as of 1/9/07. • The Non-TRU fraction of PFP debris from retrieval is being sent to PEcoS for treatment prior to disposal at ERDF. Treatment has been proceeding well. 1208 m^3 had been sent to PEcoS for treatment and 885 m^3 of that had subsequently been disposed of in ERDF through 12/28/06.
M-91-41: Retrieval and Designation of RH RSW (regardless of size)	See comment column	On Schedule (Planning) In dispute at the Project Manager (PM) level.	• 1/1/11: Initiate retrieval of RH RSW • 12/31/14: Complete non-caisson RH RSW retrieval • 12/31/18: Complete 4B RH RSW retrieval
M-91-42: Treatment of non-large	Annual treatment	On schedule For MLLW	• Met the MLLW 12/31/06 milestone (4890 cubic meters) 4 months early (Aug 29, 2006). Completion letter sent to

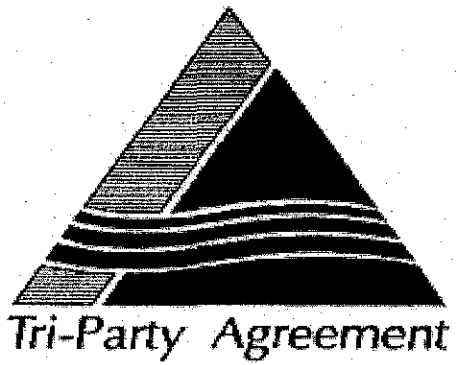
size CH-MLLW and certification of non-large size CH TRUM	requirements through 12/31/09 (MLLW), 12/31/11 (TRUM)	treatment, behind schedule for CH TRUM certification Ecology issued a Directors Determination on the TRUM certification portion of the dispute on January 2, 2007. The Directors Determination did not change the milestones.	Ecology October 27. • 5094 m^3 of the MLLW subject to this milestone (MLLW-2 and MLLW-04 through MLLW-10 excluding MLLW-7) has been dispositioned as of 12/31/06. (6520 m^3 required by 12/31/07) • Shipped 4 cubic meters of mercury bearing waste to Permafix for treatment. This is one of the "problem MLLW streams" and will serve to demonstrate the disposition capability. • Shipped 1855 cubic meters of M-91-42 TRU/M and had accumulated a backlog of 532 cubic meters of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 2387 as of 1/5/07.
M-91-43: Designation and treatment of RH and or Large Size MLLW	See Comment Column	At Risk (Change package M-91-06-01 proposed a revision to current schedule) In dispute at the Project Manager (PM) level.	• Treated 193 m^3 of MLLW-07 since 12/31/02. • Modifications and clarifications to M-91-43 being proposed in M-91 change package. • Pursuing PEcoS capability to process containers larger than 10 cubic meters. Currently planning shipment of a large container to test/demonstrate the capability.
M-91-44: Designation of Newly Generated and Stored RH and or Large Size Transuranic Waste and Large/RH TRUM certification	See Comment Column	At Risk Changes proposed in change M-91-06-01 submitted 9/29/06. In dispute at the Project Manager (PM) level.	• Existing requirements include: a) Designate all RH and large size Transuranic waste in storage by 12/31/12. b)Begin treating RH and/or large container TRUM at a minimum rate of 300 cubic meters per year by 6/30/2012
M-91-45: RH and or Large Size Waste Annual Report	9/30/04 and annually thereafter	On Schedule	• 2006 report was delivered to Ecology 9/29/06 (06-AMCP-0314).

Tri-Party Agreement M-91 Milestone Series
Quarterly Presentation

Actions Planned for Next Six Months

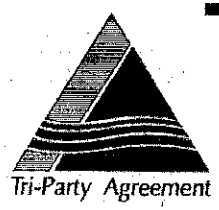
- Continue certification and shipment of transuranic waste to WIPP (two shipments per week) and treatment of MLLW. Determine actions to improve certification performance
- Work on M-91 milestone improvements, clarifications and changes through the Project Manger level dispute meetings.
- Continue thermal treatment at Permafix making progress towards meeting M-91-12 early.
- Submit SAP quarterly reports
- Complete M-91-03 PMP revision primary document review process.
- Start retrieval in 218-W-4B

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
January 18, 2007



Greg Sinton, RL Project Lead
Woody Russell, ORP Project Lead

Deborah Singleton, Ecology Lead



Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
January 18, 2007

- Tri-Party Agreement milestone M-26-01 requires annual submittal of the Hanford Site Land Disposal Restrictions (LDR) Report

- TPA change request M-26-06-01 approved December 14, 2006 established summary reports as the deliverable with the full LDR report submitted every 5 years.

Tri-Party Agreement

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
January 18, 2007

- Monthly PMMs continue to be an effective tool for dialogue and as a venue to resolve emerging issues
  - One action remains open from the March 14, 2002, Settlement Agreement (Consolidation of Requirements Document)
  - Emerging issues or concerns are addressed during the PMMs as "Hot Topics"

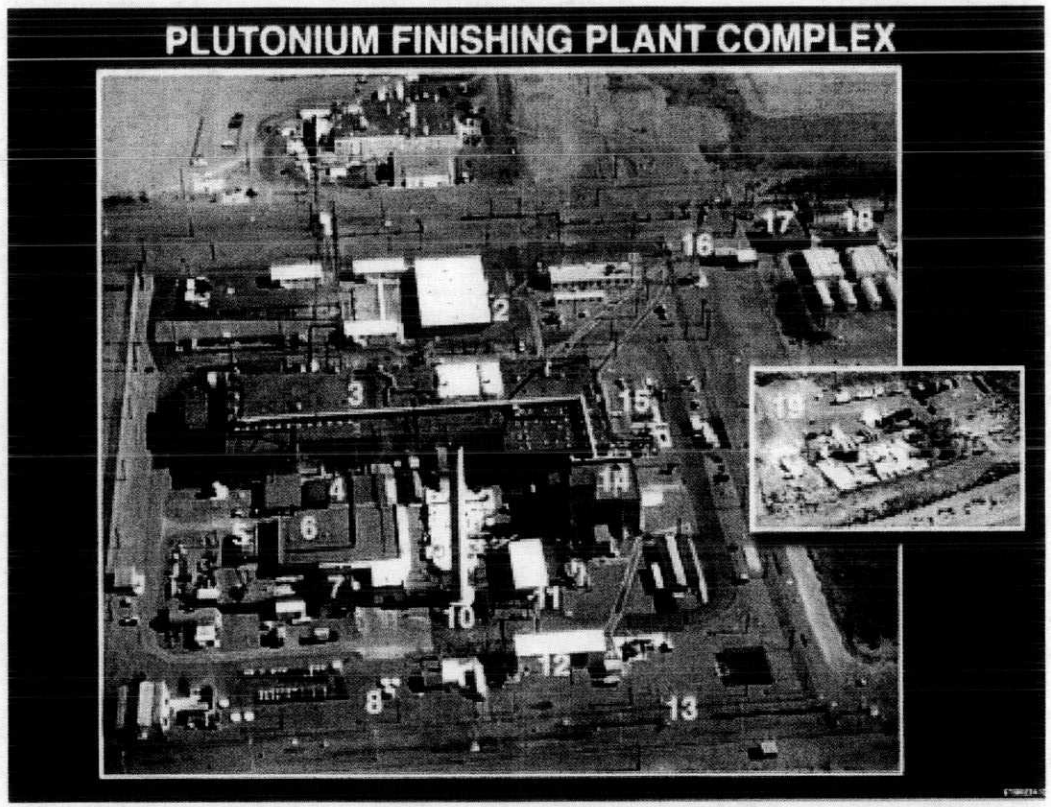
Tri-Party Agreement

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
January 18, 2007

Actions Planned for Next Six Months

- Continue the monthly PMMs
- Continue preparation of the CY2006 LDR Summary Report

PFP Closure Project
TPA Milestone M-083



January 2007
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager - R. Bond
DOE-RL Project Director – S. Charboneau
FH Project Manager – D. B. Klos
FH Environmental – A. M. Hopkins

M-83 Status for Interim Milestones Through 2006 (as of 12/31/06)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-14	9/30/06	COMPLETE 100% OF THE LEGACY PU HOLDUP REMOVAL	***Complete***
M-083-40	9/30/06	COMPLETE TRANSITION AND DISMANTLEMENT OF 232-Z BLDG INCINERATOR	***Complete***
M-083-22	9/30/08	SUBMIT EE/CA FOR APPROVAL	Ahead of Schedule Submitted to Ecology 12/29/06
M-083-41	9/30/10	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 216-Z-9 CRIB COMPLEX	On Schedule
M-083-32	9/30/11	COMPLETE CLOSURE OF THE PFP 241-Z TSD UNIT	Ahead of Schedule Submitted to Ecology 12/20/06
M-083-42	9/30/11	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 241-Z WASTE TREATMENT FACILITY	Ahead of Schedule

Accomplishments

- Completed 241-Z RCRA TSD unit closure and submitted the PE, Operator/Owner certifications to Ecology, 12/20/06 (M-083-32)
- Initiated CERCLA cleanup of the 241-Z D6 cell
- Shipped 100 Transuranic (TRU) drums to Central Waste Complex (primarily 241-Z waste)
- Combined 13 Material Balance Areas (MBAs) into two MBAs in 234-5Z
- Submitted the EE/CA for the PFP Sub-Grade Structures and Installations to Ecology, 12/29/06 (M-083-22)
- Continued equipment cleanout of 234-5Z gloveboxes, including initiating cleanout of 4 additional gloveboxes

Planned Activities

- Ecology Comment Resolution and Public Review for the Sub-Grade EE/CA
- Complete 241-Z Cell D6 CERCLA End Points
- Transition 241-Z to Ready for Demolition
- Continue equipment cleanout of 234-5Z gloveboxes
- Continue planning/characterization of Z-9 Crib Facilities

Schedule / Cost Performance
Fiscal Year to Date Status (through December)

	Fiscal Year to Date				
	BCWS	BCWP	ACWP	SV$	CV$
RL-0011 - Nuclear Material Stabilization & Disposal (PFP)	20,732.4	19,613.8	21,592.0	(1,118.6)	(1,978.2)

Schedule / Cost Performance
Fiscal Year to Date Status (Continued)

FYTD Schedule Variance: -$1.1M:

- Unfavorable schedule variance is primarily contributed to delay of SNM De-Inventory, partially offset by early completion of vault life-extension activities and acceleration of 234-5Z lay-up

FYTD Cost Variance: -$1.98M:

- Unfavorable cost variance due to inability to claim progress on authorized glove box cleanout scope not yet incorporated in the baseline

Issues

Regulatory Issues:

- None

Non-Regulatory Issues:

- None

Tri-Party Agreement Major Milestone Management Review

January 18, 2007

Name	Organization	Mail Stop	Attachments Yes/No
Rick Engelmann	FH TPA	H8-12	
Stacy Charboneau	DOE		
~~Shirley Cimon~~	~~DOE~~		
Michelle Mandis	ECology		Yes
~~Jane Hedges~~	Ecy		
John Price	Ecology		NO
Mandy Jones	Ecology		No
Beth Bilson	FH		No
Matt McCormick	DOE		No
A Hopkins	FH		NO
Ellen Mattlin	DOE	H5-11	Yes
Larry Gadbois	EPA		
CETC	EPA		
Cheryl Wheeler	~~Ecy~~		No
Craig Cameron	EPA		No
Rick Bond	Ecology		No
Harold Tilden	PNNL		No
SK Mon	DOE		No
Deborah Singleton	Ecology		Yes
ME Cole	CH2M Hill		NO
Ted Wooley	CH2M Hill		No
Tony Mistich	FH		
James Willmus	FH		
Larry Romine	DOE		No
Brian Charboneau	DOE		No
Ellen Dagan	DOE		No

Tri-Party Agreement Major Milestone Management Review

January 18, 2007

Name	Organization	Mail Stop	Attachments Yes/No
Doug Watson	FH		No
Jack Donnelly	WCH	H4-22	No
JEFF FREY	RL		Yes

Agenda
January 18, 2007

Central Plateau
Quarterly Milestone Review Meeting

Ecology Conference Room 3A, 3100 Port of Benton Blvd., Richland

Chairperson: Matt McCormick

9:00 a.m. – 11:00 a.m.

9:00 a.m.	M-83-00	PFP Transition
9:20 a.m.	M-26-01	Land Disposal Restrictions Report
	M-91-00	Acquisition of Facilities to TSD TRU/TRUM and LLMW
	M-92-05	Facilities for Cesium/Strontium
9:45 a.m.	M-20-00	Permitting/Closure Plans
10:00 a.m.	M-15-00	RI/FS Process Completion
	M-16-00	Complete Remedial Actions
	M-24-00	Groundwater Well Installation
10:35 a.m.	M-34-00	K Basins Closure Project
11:00 a.m.	Adjourn Milestone Review	